
U.S. Department of the Interior • U.S. Geological Survey

MINERAL INDUSTRY SURVEYS

Gordon P. Eaton, Director

Reston, VA 20192

For information, contact:

Dennis Kostick, Commodity Specialist

Telephone: (703) 648-7715, Fax: (703) 648-7722

E-mail: dkostick@usgs.gov

Jeff Milanovich (data), (703) 648-7982

MINES FaxBack: (703) 648-4999

Internet: <http://minerals.er.usgs.gov/minerals>

SODA ASH AND SODIUM SULFATE IN JULY 1997

Natural soda ash production in July was 912,000 metric tons, 6% lower than the previous month's production, according to the U.S. Geological Survey. Ending inventories were estimated at 290,000 tons, an 11% decrease from that of the preceding month. Wyoming trona production in July was 1,290,000 tons. Total production of chemical caustic soda as soda ash equivalent, based on data from all three producers, was 20,800 tons in July.

Apparent consumption of soda ash for June was 595,000 tons, 12% higher than the June 1996 level of 532,000 tons. Exports and imports of soda ash in June 1997 were 339,000 tons and 8,250 tons, respectively.

The cumulative soda ash statistics through June 1997, compared with those of the corresponding period in 1996, were

as follows: production 6% higher, imports 5% higher, exports 13% higher, ending stocks 15% higher, and apparent consumption less than 1% lower.

The second quarter end use data are included in Table 6 of this report.

Abstracts from the 1st International Soda Ash Conference that was held in Rock Springs, WY, on June 10-12, 1997, are available on the soda ash home page on the U.S. Geological Survey's website.

The site is:

http://minerals.er.usgs.gov/minerals/pubs/commodity/soda_ash

TABLE 1
SALIENT SODA ASH AND NATURAL SODIUM SULFATE STATISTICS 1/

Period	Soda ash (Thousand metric tons)		Natural sodium sulfate (Metric tons)	
	Production 2/	Ending stocks	Production	Ending stocks
1996:				
June	885	284	26,400	14,700
July	850	296	21,500	12,300
August	847	264	24,100	15,700
September	857	223	26,000	16,400
October	909	290 3/	26,400	18,500
November	859	285	24,100	14,300
December	866	271	29,500	19,500
Total (Jan.-July)	5,830	XX	176,000	XX
Total	10,200	XX	306,000	XX
1997:				
January	866	326 e/	24,800	15,700
February	766	275 e/	23,800	19,500
March	912	296 e/	27,400	22,100
April	834	251 e/	27,500	15,900
May	937	282 e/	27,500	17,800
June	971	327 e/	28,400	24,400
July	912	290 e/	27,400	19,700
Total	6,200	XX	187,000	XX

e/ Estimated. XX Not applicable.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Production data includes soda ash equivalent from soda liquors only. Soda ash equivalent from mine water is not included. Soda liquors for the current year 1997 are withheld to avoid disclosing company proprietary data.

3/ Because of previously unreported inventory in remote locations by one producer, ending stocks are somewhat higher than the level of prior months.

TABLE 2
U.S. EXPORTS OF SODA ASH AND SODIUM SULFATE 1/

(Metric tons)

Period	Disodium carbonate		Disodium sulfate				Total	
	Quantity (thousand metric tons)	Value 2/ (thousands)	Saltcake		Other		Quantity	Value 2/ (thousands)
			Quantity	Value 2/ (thousands)	Quantity	Value 2/ (thousands)		
1996:								
June	337	\$43,800	13,300	\$1,290	43	\$17	13,400	\$1,310
July	315	42,000	12,500	695	29	20	12,600	715
August	392	51,100	2,440	189	6,620	956	9,060	1,150
September	329	44,400	1,690	151	23	8	1,710	159
October	392	53,600	2,060	210	119	679	2,180	889
November	255	34,800	1,190	140	108	545	1,300	685
December	367	47,700	14,300	1,250	103	36	14,400	1,290
Total (Jan.-June)	1,790	235,000	41,700	3,480	2,800	778	44,500	4,260
Total	3,840	508,000	75,900	6,120	9,810	3,020	85,700	9,140
1997: 3/								
January	262	33,300	3,160	310	2,390	661	5,550	971
February	319	43,600	3,610	380	317	115	3,920	495
March	376	49,100	11,400	648	977	230	12,400	878
April	342	44,700	1,990	211	519	188	2,510	399
May	386	51,100	5,050	589	651	234	5,700	823
June	339	44,100	1,090	117	1,590	418	2,680	535
Total	2,030	266,000	26,300	2,260	6,450	1,850	32,700	4,100

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Free alongside ship (f.a.s.) value at U.S. ports.

3/ July 1997 data not available at time of publication.

Source: Bureau of the Census, as adjusted by the U.S. Geological Survey, using Journal of Commerce trade data and information.

TABLE 3
U.S. EXPORTS OF SODA ASH BY COUNTRY, 1997 1/

(Metric tons)

Country	January	February	March	April	May	June	Total quantity	% of total
Argentina	6,150	12,100	10,100	--	16,400	14,700	59,500	3
Australia	--	--	--	5,020	21,000	--	26,000	1
Belgium	6,000	8,270	--	--	16,600	--	30,900	2
Bolivia	--	--	--	900	--	2,700	3,600	--
Brazil	17	21,100	38,100	17	33,100	--	92,300	5
Canada	26,200	28,500	22,500	21,500	20,900	19,200	139,000	7
Chile	--	20,000	--	21,800	--	24,600	66,400	3
China	--	9,010	27,500	5,000	15,600	--	57,100	3
Colombia	9,380	--	10,900	--	10,900	11,100	42,300	2
Costa Rica	--	--	--	4,070	--	--	4,070	--
Croatia	12,000	--	--	11,000	--	--	23,000	1
Dominican Republic	--	--	1,770	--	18	--	1,790	--
Ecuador	--	--	4,480	--	--	5,840	10,300	1
El Salvador	--	--	--	--	--	999	999	--
France	10,000	--	22,200	--	18,200	--	50,400	2
Guatemala	41	2,120	--	3,010	24	760	5,950	--
Hong Kong	--	--	--	--	--	79	79	--
Indonesia	19,100	23,500	29,400	47,900	46,900	27,300	194,000	10
Ireland	589	--	--	--	--	--	589	--
Israel	6,980	--	--	14,000	37	6,980	28,000	1
Jamaica	1,540	--	--	--	--	--	1,540	--
Japan	20,100	40,500	34,500	55,300	12,500	35,400	198,000	10
Korea, Republic of	26,500	29,900	37,500	31,700	22,100	40,000	188,000	9
Malaysia	8,100	10,300	--	14,500	16,600	15,000	64,600	3
Mexico	29,300	32,500	43,100	24,800	24,300	33,300	187,000	9
New Zealand	60	6,790	477	106	318	371	8,120	--
Nigeria	--	--	--	--	--	5,930	5,930	--
Panama	--	9	--	--	--	2,090	2,100	--
Peru	--	3,900	--	5,300	--	4,250	13,500	1
Philippines	7,150	15,200	12,500	--	10,000	13,000	57,900	3
Russia	--	--	477	--	--	--	477	--
Saudi Arabia	8,000	--	14,900	1,000	13,000	14,900	51,800	3
Singapore	--	--	--	--	5,000	--	5,000	--
South Africa	--	--	--	25,100	--	--	25,100	1
Spain	9,600	--	12,900	--	--	12,100	34,700	2
Switzerland	--	--	21	--	--	--	21	--
Taiwan	25,300	15,000	20,900	14,900	15,100	11,500	103,000	5
Thailand	23,400	24,500	25,500	--	50,300	25,700	149,000	7
Trinidad and Tobago	--	--	2,730	--	--	--	2,730	--
Turkey	5,030	--	--	--	--	4,960	9,990	--
United Arab Emirates	--	--	--	5,000	--	5,100	10,100	--
United Kingdom	--	--	--	15,300	53	--	15,300	1
Uruguay	--	--	--	--	--	1,400	1,400	--
Venezuela	1,990	16,100	2,980	15,200	17,400	--	53,600	3
Total	262,000	319,000	376,000	342,000	386,000	339,000	2,030,000	100

1/ Data are rounded to three significant digits; may not add to totals shown.

Source: Bureau of the Census.

TABLE 4
U.S. IMPORTS OF SODA ASH AND SODIUM SULFATE 1/

(Metric tons)

Period	Disodium carbonate		Disodium sulfate				Total	
	Value 3/		Saltcake 2/		Other		Value 3/	
	Quantity	(thousands)	Quantity	(thousands)	Quantity	(thousands)	Quantity	(thousands)
1996:								
June	8,770	\$1,200	14,400	\$1,400	2,250	\$342	16,600	\$1,750
July	8,630	1,180	9,940	987	3,800	405	13,700	1,390
August	8,310	1,140	11,700	1,110	2,940	270	14,600	1,380
September	10,500	1,440	14,400	1,400	1,550	193	15,900	1,590
October	9,340	1,260	12,200	1,200	1,300	163	13,500	1,360
November	10,000	1,380	11,600	1,120	1,460	173	13,000	1,300
December	9,450	1,290	12,800	1,320	2,270	292	15,100	1,610
Total (Jan.-June)	50,700	7,060	75,000	6,960	16,100	1,490	91,100	8,440
Total	107,000	14,700	148,000	14,100	29,400	2,980	177,000	17,100
1997: 4/								
January	8,930	1,180	10,700	1,060	2,620	294	13,300	1,350
February	9,280	1,330	14,200	1,400	2,050	266	16,300	1,660
March	8,760	1,240	12,400	1,250	1,170	222	13,600	1,470
April	8,500	1,160	10,700	1,040	786	121	11,500	1,160
May	9,480	1,220	11,000	1,100	943	138	11,900	1,240
June	8,250	1,070	10,800	1,070	440	110	11,300	1,180
Total	53,200	7,210	69,900	6,910	8,020	1,150	77,900	8,060

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes Glauber's salt.

3/ Customs, insurance, and freight (c.i.f) value at U.S. ports.

4/ July 1997 data not available at time of publication.

Source: Bureau of the Census.

TABLE 5
U. S. APPARENT CONSUMPTION OF SODA ASH 1/

(Metric tons)

Period	Production	Imports	Exports	Net stock		Apparent consumption 2/
				increase	or decrease	
1996:						
June	885,000	8,770	337,000	24,000	--	532,000
July	850,000	8,630	315,000	12,000	--	531,000
August	847,000	8,310	392,000	--	32,000	495,000
September	857,000	10,500	329,000	--	41,000	580,000
October	909,000	9,340	392,000	67,000	--	460,000
November	859,000	10,000	255,000	--	5,000	619,000
December	866,000	9,450	367,000	--	14,000	522,000
Total (Jan.-June)	4,980,000	50,700	1,790,000	--	22,000	3,270,000
Total	10,200,000	107,000	3,840,000	--	35,000	6,470,000
1997:						
January	866,000	8,930	262,000	55,000 e/	--	557,000
February	766,000	9,280	319,000	--	51,000 e/	507,000
March	912,000	8,760	376,000	21,000 e/	--	524,000
April	834,000	8,500	342,000	--	45,000 e/	545,000
May	937,000	9,480	386,000	31,000 e/	--	529,000
June	971,000	8,250	339,000	45,000 e/	--	595,000
July	912,000	NA	NA	--	37,000 e/	NA
Total (Jan.-June)	5,290,000	53,200	2,030,000	56,000 e/	--	3,260,000

e/ Estimated. NA Not available.

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Production plus imports minus exports plus or minus stock changes.

TABLE 6
REPORTED CONSUMPTION OF SODA ASH IN THE UNITED STATES,
BY END USE, BY QUARTERS 1/

(Metric tons)

SIC Code	End use	1996			1997		
		First quarter	Second quarter	Year to date	First quarter	Second quarter	Year to date
32	Glass:						
3221	Container	372,000	409,000	781,000	378,000	384,000	761,000
3211	Flat	218,000	252,000	470,000	239,000	283,000	522,000
3296	Fiber	59,500	58,600	118,000	61,200	59,400	121,000
3229	Other	66,100	60,700	127,000	62,600	65,700	128,000
	Total	716,000	780,000	1,500,000	741,000	792,000	1,530,000
281	Chemicals	385,000	411,000	796,000	414,000	446,000	860,000
284	Soaps and detergents	204,000	190,000	394,000	191,000	192,000	383,000
26	Pulp and paper	49,900	50,000	99,900	33,700	34,600	68,400
2899	Water treatment 2/	19,000	21,700	40,700	20,300	20,700	40,900
	Fluegas desulfurization	36,100	35,100	71,200	30,600	31,000	61,600
	Distributors	77,600	79,900	158,000	85,800	81,000	167,000
	Other	35,700	37,100	72,800	50,900	46,500	97,400
	Imports 3/	25,000	25,700	50,700	27,000	26,200	53,200
	Total domestic consumption	1,520,000	1,600,000	3,120,000	1,570,000	1,640,000	3,210,000
	Exports 4/	903,000	987,000	1,890,000	975,000	1,110,000	2,090,000
	Canada	52,500	50,500	103,000	70,200	76,900	147,000
	Total industry sales 5/	2,430,000	2,590,000	5,020,000	2,540,000	2,760,000	5,300,000
	Total sales from plants	2,320,000	2,620,000	4,940,000	2,510,000	2,710,000	5,220,000
	Total production	2,370,000	2,620,000	4,990,000	2,540,000	2,740,000	5,290,000

1/ Data are rounded to three significant digits; may not add to totals shown.

2/ Includes soda ash equivalent from soda liquors and purge liquors sold to powerplant for water treatment. Sales of mine water are excluded.

3/ Data are from the Bureau of the Census and may vary from the quantity reported by the producer/importer. Actual imports are proprietary data but have been distributed into appropriate end-use categories and included in "Total Domestic Consumption."

4/ As reported by producers. Includes Canada. Data may not necessarily agree with that reported by the Bureau of the Census for the same periods.

5/ Represents soda ash from domestic origin (production and inventory changes) and imports and for exports. Includes soda ash sold by coproducers and distributed by purchasers into appropriate end-use categories.